abcam

Product datasheet

HRP Anti-M-CSF antibody [EP1179Y] ab206234

Recombinant RabMAb

3 Images

Overview

Product name	HRP Anti-M-CSF antibody [EP1179Y]
Description	HRP Rabbit monoclonal [EP1179Y] to M-CSF
Host species	Rabbit
Conjugation	HRP
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Sheep, Cow, Chimpanzee
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: M-CSF recombinant protein. IHC-P: FFPE human tonsil (normal) tissue sections.
General notes	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP1179Y
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab206234 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.
WB		1/5000. Detects a band of approximately 19 kDa (predicted molecular weight: 60 kDa).

Target

Function

Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.

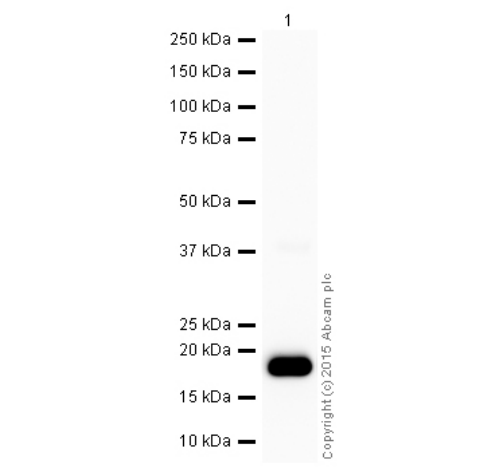
Post-translational modifications

Glycosylation and proteolytic cleavage yield different soluble forms. A high molecular weight soluble form is a proteoglycan containing chondroitin sulfate.
Isoform 1 is N- and O-glycosylated. Isoform 3 is N-glycosylated.

Cellular localization

Cell membrane and Secreted > extracellular space.

Images



Western blot - HRP Anti-M-CSF antibody [EP1179Y] (ab206234)

HRP Anti-M-CSF antibody [EP1179Y] (ab206234) at 1/5000 dilution + M-CSF Recombinant Protein at 0.1 µg

Developed using the ECL technique.

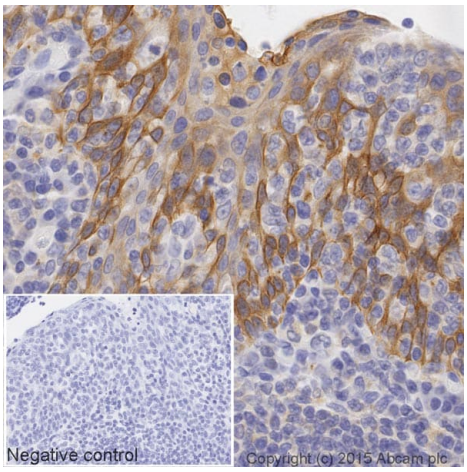
Performed under reducing conditions.

Predicted band size: 60 kDa
Observed band size: 19 kDa

Exposure time: 2 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab206234 overnight at 4°C. Antibody binding was visualised using ECL development

solution **ab133406**.

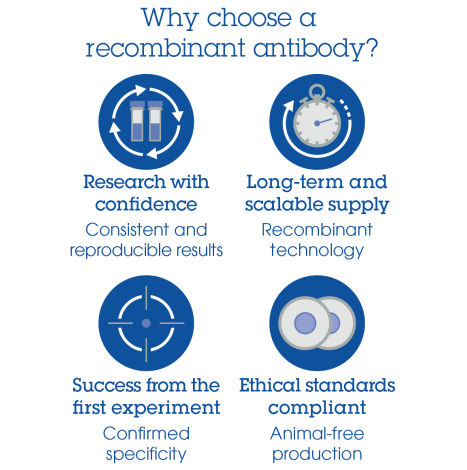


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-M-CSF antibody [EP1179Y] (ab206234)

IHC image of MCSF staining in a section of formalin-fixed paraffin-embedded normal human tonsil tissue*, performed on a Leica BOND™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab206234, 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



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